

CLAIMS:

1. A satellite transmission reception system including:
a downlink receiver for receiving signals from a satellite, said downlink including
5 an integrated satellite receiver and router;
wherein said signals are stored as files in said integrated satellite receiver and
router for later further transmission.

2. The satellite transmission reception system of claim 1 wherein said
10 integrated satellite receiver and router further includes an Ethernet transceiver for
transmitting at least some of said signals.

3. The satellite transmission reception system of claim 1 wherein said
integrated satellite receiver and router further includes a multicasting processor to
15 provide multicasting of at least some of said signal.

4. The satellite transmission reception system of claim 1 wherein said
integrated satellite receiver and router further includes an HTTP server for
communicating with said EDS card via a web browser.

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5. The satellite transmission reception system of claim 1 wherein said integrated satellite receiver and router further includes a DNS resolver for translating mnemonic IP addresses into numerical IP addresses and vice versa.

6. The satellite transmission reception system of claim 1 wherein said integrated satellite receiver and router further includes a DHCP processor for dynamically configuring the IP address of said integrated satellite receiver and router.

7. The satellite transmission reception system of claim 1 wherein said integrated satellite receiver and router further includes a confirmation web client for sending confirmations to a remote location when predetermined events occur.

8. The satellite transmission reception system of claim 1 wherein said integrated satellite receiver and router further includes an audio subsystem for combining a received audio signal with locally inserted audio signals.

9. The satellite transmission reception system of claim 1 wherein said integrated satellite receiver and router further includes a command processor performing at least one of displaying said at least a portion of a received signal stored in said integrated satellite receiver and router and prompting said integrates satellite receiver and ~~router to transmit said received signals.~~

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10. A satellite data delivery system including:
a satellite transmitting signals; and
a downlink receiver for receiving signals from a satellite, said downlink including
an integrated satellite receiver and router, ✓

wherein said signals are TCP/IP packets and said TCP/IP packets are routed by
said integrated satellite receiver and router, and

wherein said signals may be stored as files in said integrated satellite receiver and
router for later further transmission.

11. The satellite transmission reception system of claim 10 wherein said
integrated satellite receiver and router further includes an Ethernet transceiver for
transmitting at least some of said signals.

12. The satellite transmission reception system of claim 10 wherein said
integrated satellite receiver and router further includes a multicasting processor to
provide multicasting of at least some of said signal.

13. The satellite transmission reception system of claim 10 wherein said
integrated satellite receiver and router further includes an HTTP server for
~~communicating with said EDS card via a web browser.~~

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14. The satellite transmission reception system of claim 10 wherein said integrated satellite receiver and router further includes a DNS resolver for translating mnemonic IP addresses into numerical IP addresses and vice versa.

15. The satellite transmission reception system of claim 10 wherein said integrated satellite receiver and router further includes a DHCP processor for dynamically configuring the IP address of said integrated satellite receiver and router.

16. The satellite transmission reception system of claim 10 wherein said integrated satellite receiver and router further includes a confirmation web client for sending confirmations to a remote location when predetermined events occur.

17. The satellite transmission reception system of claim 10 wherein said integrated satellite receiver and router further includes an audio subsystem for combining a received audio signal with locally inserted audio signals.

18. The satellite transmission reception system of claim 10 wherein said integrated satellite receiver and router further includes a command processor performing at least one of displaying said at least a portion of a received signal stored in said

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integrated satellite receiver and router and prompting said integrates satellite receiver and router to transmit said received signals.

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19. A TCP/IP compatible satellite transmission system including:
a multiplexer ^{for} receiving, multiplexing, and outputting multiplexed TCP/IP packets without separating said packets;
an uplink for transmitting said multiplexed TCP/IP packets to a satellite;
a satellite for receiving said multiplexed TCP/IP packets from said uplink and transmitting said TCP/IP packets to a downlink;
a downlink for receiving said TCP/IP packets and transmitting said TCP/IP packets to an integrated satellite receiver and router; and
an integrated satellite receiver and router receiving said TCP/IP packets and demultiplexing and outputting said TCP/IP packets without reconstructing said packets.

20. An integrated satellite receiver and router including:
a satellite receiver for receiving files;
an Ethernet-capable router for routing said files; and
an HTTP server for communicating with said receiver and router via a web browser.

21. The integrated satellite receiver and router of claim 20 further including a flash memory storage for storing said files.

22. The integrated satellite receiver and router of claim 20 further including a command processor performing at least one of displaying said files stored in said flash memory storage and prompting said router to route said files.

23. The integrated satellite receiver and router of claim 20 further including an IGMP multicasting processor for multicasting of a received data stream

24. The integrated satellite receiver and router of claim 20 further including a DNS resolver for translating mnemonic IP addresses into numerical IP addresses and vice versa.

25. The integrated satellite receiver and router of claim 20 further including a DHCP processor for dynamically configuring the IP address of said integrated satellite receiver and router.

26. An Ethernet Digital Storage (EDS) Card for use in a satellite data stream reception system including:
a flash memory storage for storing at least a portion of a received data stream; and

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an Ethernet transceiver for transmitting at least a portion of a received data stream.

27. The EDS card of claim 26 further including a multicasting processor to provide multicasting of at least a portion of said received data stream.

28. The EDS card of claim 26 further including an HTTP server for communicating with said EDS card via a web browser.

29. The EDS card of claim 26 further including a DNS resolver for translating mnemonic IP addresses into numerical IP addresses and vice versa.

30. The EDS card of claim 26 further including a DHCP processor for dynamically configuring the IP address of said integrated satellite receiver and router.

31. The EDS card of claim 26 further including a confirmation web client for sending confirmations to a remote location when predetermined events occur.

32. The EDS card of claim 26 further including an audio subsystem for combining a received audio data stream with locally inserted audio.

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33. The EDS card of claim 26 further including a command processor performing at least one of displaying said at least a portion of a received data stream stored in said flash memory storage and prompting said Ethernet transceiver to transmit said at least a portion of a received data stream.

34. A method for audio advertising distribution comprising the step of:
originating an audio advertising spot at a central location;
localizing said audio advertising spot; and
transmitting said audio advertising spot to a remote receiver via a satellite
distribution system.

35. The method of claim 34 further comprising the step of storing said audio advertising spot at said receiver.

36. The method of claim 34 further comprising the step of modifying said audio advertising spot at said receiver.

37. The method of claim 34 further comprising the step of immediately broadcasting said audio advertising spot at said receiver.

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- 53 -

38. The method of claim 34 further comprising the step of further transmitting
said audio advertising spot

39. The method of claim 34 further comprising the step of sending a
5 confirmation to said data origination location.

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